

ABSTRACT OF THE DISCLOSURE

**METHOD AND SYSTEM FOR EXTRACTING HYDROCARBON FUEL PRODUCTS FROM
WASTE MATERIAL**

5 A method and system for extracting hydrocarbon fuel products
from waste material provides extraction of usable fuel components
from waste plastic materials and waste materials such as oil
contaminated materials and soils. The materials (or hydrocarbon
portion thereof) are liquified and introduced to a chamber where
10 the liquid material is agitated and a negative relative pressure
(vacuum) is applied. The liquid is maintained at a substantially
constant temperature and the vacuum draws the off-gas hydrocarbon
products out for condensation and further processing, while
unconverted char is removed to an ash dump. An auger feed unit
15 with agitator buckets is used to propel the char through a feed
while agitating the liquid to enhance the rate of gas removal.